



**UNITED STATES DEPARTMENT OF COMMERCE**  
**Patent and Trademark Office**

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.
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EXAMINER
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ART UNIT	PAPER NUMBER
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DATE MAILED:

Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner of Patents and Trademarks

# Office Action Summary

Application No.

Applicant(s)

251,172

DERO A AMMAR

Examiner

Art Unit

Stephen J. Ramsey

2819

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE \_\_\_\_\_ MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under 37 C.F.R. 1.136, but in no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, then the statutory minimum of thirty (30) days will apply.
- If NO period for reply is specified above, the maximum statutory period for reply will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may result in an earned patent term adjustment. See 37 C.F.R. 1.204(b).

## Status

- 1) ☐ Responsive to communication(s) filed on \_\_\_\_\_.
- 2a) ☐ This action is FINAL. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 155 O.G. 11, 453 O.G. 213.

## Disposition of Claims

- 4) ☐ Claim(s) \_\_\_\_\_ is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☐ Claim(s) \_\_\_\_\_ is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

## Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 C.F.R. 1.85(a).
- 11) ☐ The proposed drawing correction filed on \_\_\_\_\_ is a) ☐ approved b) ☐ disapproved by the Examiner.  
If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

## Priority under 35 U.S.C. §§ 119 and 120

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) on (a) \_\_\_\_\_  
a) ☐ All b) ☐ Some \* c) ☐ None of:  
1) ☐ Certified copies of the priority documents have been received.  
2) ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.  
3) ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  
\* See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).  
a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

## Attachment(s)

- 1) ☒ Notice of References Cited (PTO 89-01)  
2) ☐ Notice of Draft Person's Patent Drawing Fee (PTO 94-01)  
3) ☒ Information Disclosure Statements (PTO 1449, Paper No(s) \_\_\_\_\_)  
4) ☐ Interview Summary (PTO 11, Paper No(s) \_\_\_\_\_)  
5) ☐ Notice of Informal Patent Application (PTO 152)  
6) ☐ Other: \_\_\_\_\_

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### Prior Art Rejections

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claims 1-44 are rejected under 35 U.S.C. 103(a) as being unpatentable over Hodson et al in view of Benjamin et al. Hodson et al discloses tiling 4 or more emitter base plates, independently addressable, to provide a large area display with a fast display refresh rate. As shown by Benjamin et al, column 7, line 62 through column 8, line 21, it was also known in the display art to provide addressing of a monolithic display from opposite sides to increase the refresh rate. Thus the advantage of a fast refresh rate occurs whether or not the display is monolithic or not. Therefore, since it is well known that a monolithic display has certain advantages of manufacture, it would have been obvious to one of ordinary skill in the art at the time of the claimed invention to provide a field emission display with independent addressing from opposed sides as in Hodson et al in, with the difference in that the display is monolithic lieu of the tiled display of Hodson et al. The details of manufacture of the display as claimed are otherwise well known in the art.

### Directions for Responses

Any formal response to this communication should be directed to examiner Kenneth Ramsey, Art Unit 2879, and either  
faxed to: 703-872-9318; or mailed to: Assistant Commissioner For Patents  
Washington, D.C. 20231

Art Unit: 2879

Technical inquiries concerning this communication should be directed to Kenneth J. Ramsey, (703) 308-2324 (voice), (703) 746-4832 (fax).

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-308-0956.



Kenneth J. Ramsey  
Primary Examiner  
Art Unit 2879

kjr  
September 20, 2001